

ABSTRACTALUMINIUM PRODUCTION INSTALLATION BY IGNEOUS
ELECTROLYSIS

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The invention relates to an electrolysis installation, intended for the production of aluminium based on igneous electrolysis, comprising a potroom (1), a plurality of electrolytic cells (2) arranged inside the potroom (1), a service aisle (15) parallel to the said line of cells and located inside the potroom (1), and at least one first mobile lifting and handling unit (8), supported on a first runway (14) parallel to the main axis A of the line, and that can be moved above the said line of cells on the said first runway, and characterised in that it also comprises at least one second mobile lifting and handling unit (20), and a second runway (21) parallel to the main axis A of the line and independent of the first runway (14), and in that the said second unit (20) is supported on the said second runway and can be moved along the said second runway and can be moved underneath the first unit (8) and along the said line of electrolytic cells, on the said second runway, such that the two lifting and handling units can be moved independently, and in that the said second unit (20) is capable of lifting and handling liquid metal ladles and / or liquid bath ladles (40).

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Figure 2